

WEST

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Term:

114 and (cdr or (billing adj record\$) or (call adj
detail adj record\$))

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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((postal or area or zip or cities or city or countr\$ or geographic\$) with	774	<u>L14</u>

	codes) and (longitude\$ or latitude\$)		
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l12 and (longitude\$ or latitude\$)	9	<u>L13</u>
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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(cdr or (call adj detail adj record\$))	3286	<u>L2</u>
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L13: Entry 1 of 9

File: USPT

Mar 27, 2001

DOCUMENT-IDENTIFIER: US 6208720 B1

TITLE: System, method and computer program product for a dynamic rules-based threshold engine

DEPR:

A service control layer 107 offers and manages various telecommunications services and creates service records which contain data representing each instance of a particular service offering. For example, service control layer 107 can support Global/inter-Exchange Carrier PSTN 102 with a plurality of switches 108 for issuing Call Detail Records (CDR) for each voice and data call it processes. In addition, a plurality of service control points (SCP) 110 may be used to provide data and intelligence for enhanced services, such as virtual network or 800 call routing. SCPs issue records for each transaction they process. These records are referred to herein as Application Data Field (ADF) records.

DEPR:

A single call can traverse multiple networks and generate multiple call records. ADFs, BDRs and IAMs may be issued prior to a call completing. CDRs, EOSRs and AMAs are issued after a call completes.

DEPR:

Referring to FIGS. 5A, 5D, 6, and 7, normalizer and dispatcher 124 is provided for normalizing and dispatching network event records 501, sent from data management layer 119. Network event records include those created when a call completes, such as a CDR, EOSR and AMA, and those created during a call and received by the Data Management Layer 119 prior to completion of the call, such as an IAM, BDR, BBN and ADF. Operation of normalizer and dispatcher 124 is described with reference to the flowchart of FIG. 4.

DEPR:

A geographic velocity check is a check for a pair of calls using the same authcode-plus-PIN/BTN originating from locations between which it would be impossible for a caller to travel during the interval between the calls. Geographic velocity check alarms may be calculated either by specifying time for combinations of originations and terminations or by specifying a latitude/longitude for each country or NPA and a maximum travel speed and performing a time calculation.